

## REMARKS

Claims 1-14 remain in this application.

Claims 1-3, 7-10 and 14 are provisionally rejected on the grounds of nonstatutory obviousness-type double patenting as allegedly unpatentable over claims 1, 5-7 of co-pending Application No. US 2005/0026577. Claims 4-6 and 11-13 are merely objected to as being dependent upon a rejected base Claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### **Double Patenting**

Claims 1-3, 7-10, and 14 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over Claims 1, 5-7 of co-pending Application No. US 2005/0026577.

Although Applicant acknowledges the rejection, due to the provisional nature of the rejection, Applicant understands the no action is required at this time. However, it appears that there are substantial differences between the claims 1-3, 7-10 and 14 of co-pending Application No. US 2005/0026577. For example, Applicant respectfully submits that none of claims of this application teaches or reasonably suggests at least the features/limitations of “*sending the signal  $x_{dem}[n]$  into the I/Q correction module using parameters  $A_p$  and  $B_p$  and outputting a corrected signal  $w[n]$ ,*” as recited in claim 1 of co-pending Application No. US 2005/0026577. Specifically, the steps in this application are performed in the normal operation stage, which is after the calibration stage, not in the calibration stage. Therefore, the claims of this application patently define over the claims of co-pending application 2005/0026577.

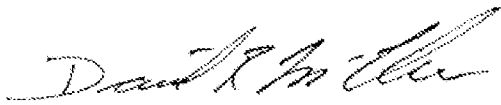
### **Conclusion**

For the reasons as described above, claims 1-3, 7-10 and 14 are in condition for allowance. Insofar as claims 4-6 depend from claim 1 and its related claims, these claims are also allowable. Moreover, for the reasons as described above, claims 11-13 depend from claim 8 and its related claims, these claims are also allowable.

Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested.

If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Respectfully submitted,

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